OIPE JC08
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

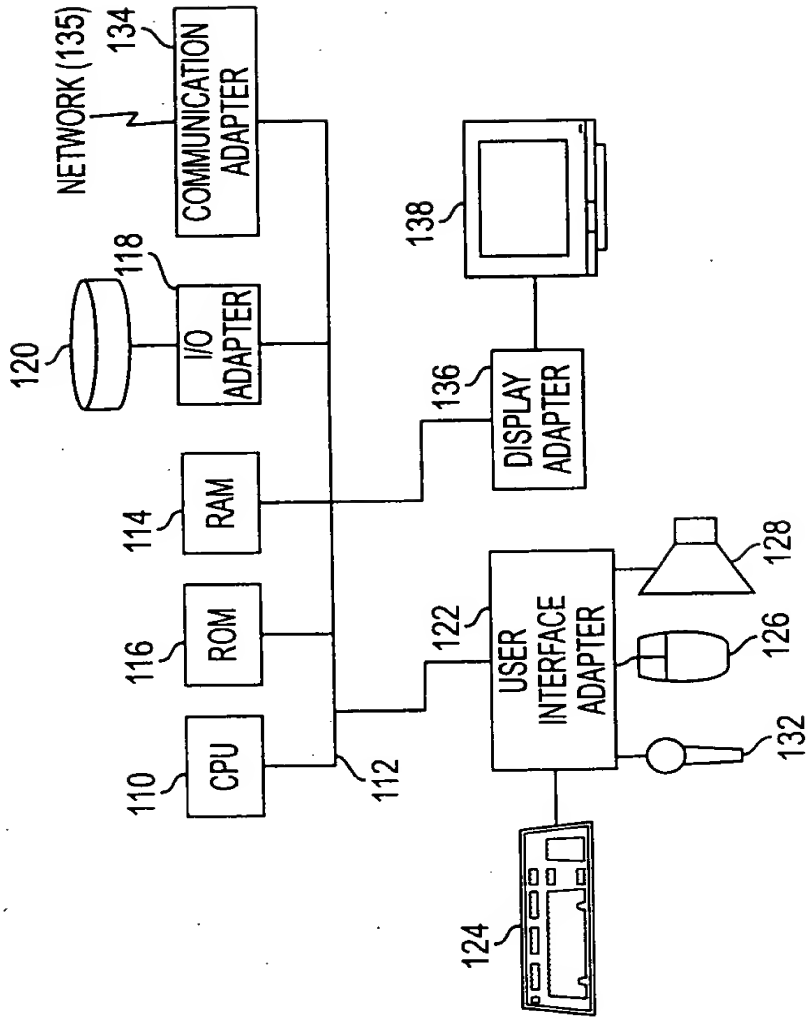

FIG. 1

OIPE JC09
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

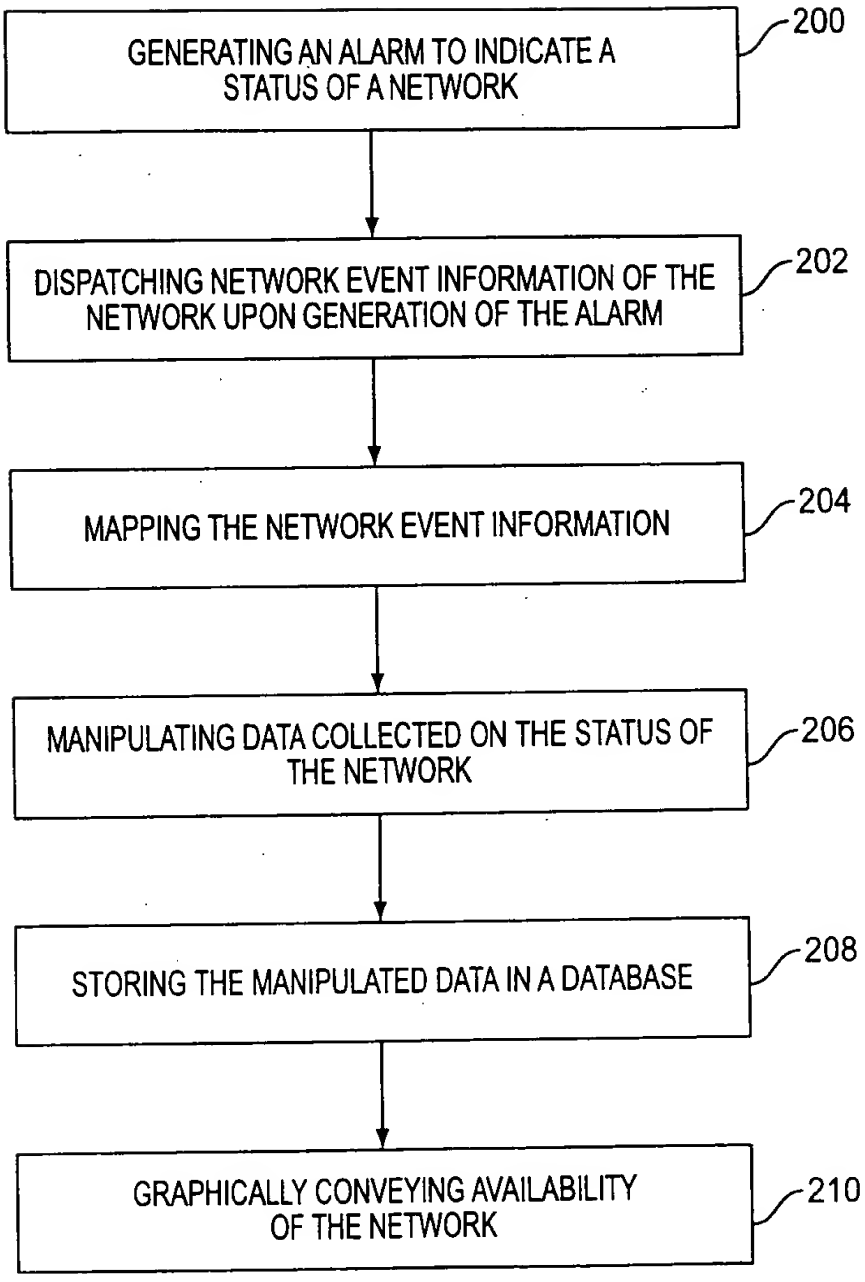

FIG. 2

OIPE JC68
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

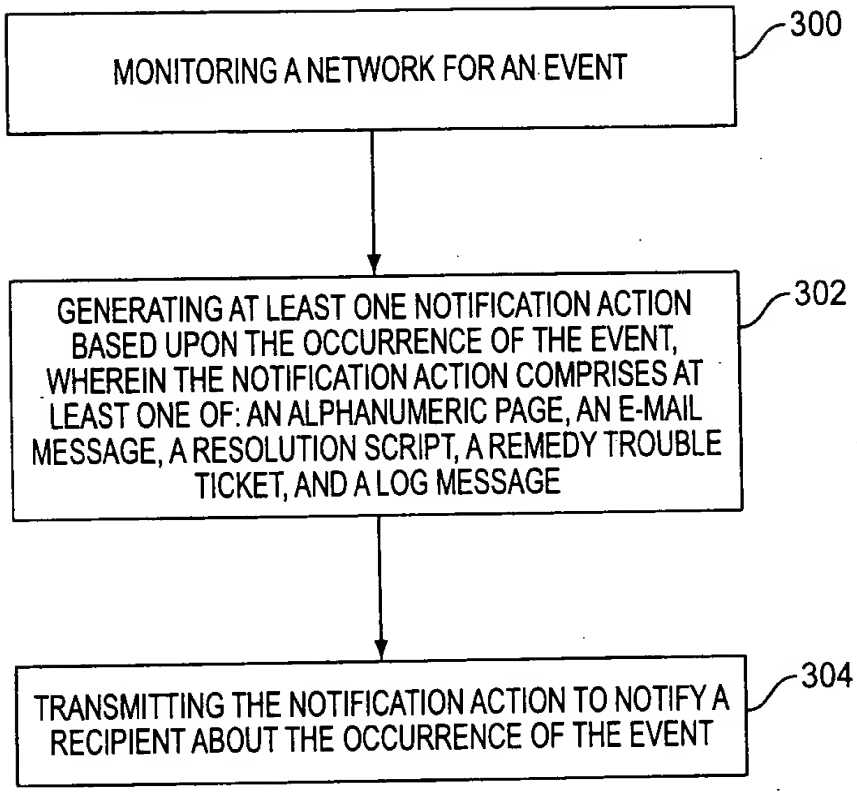

FIG. 3

OIPE JC68
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

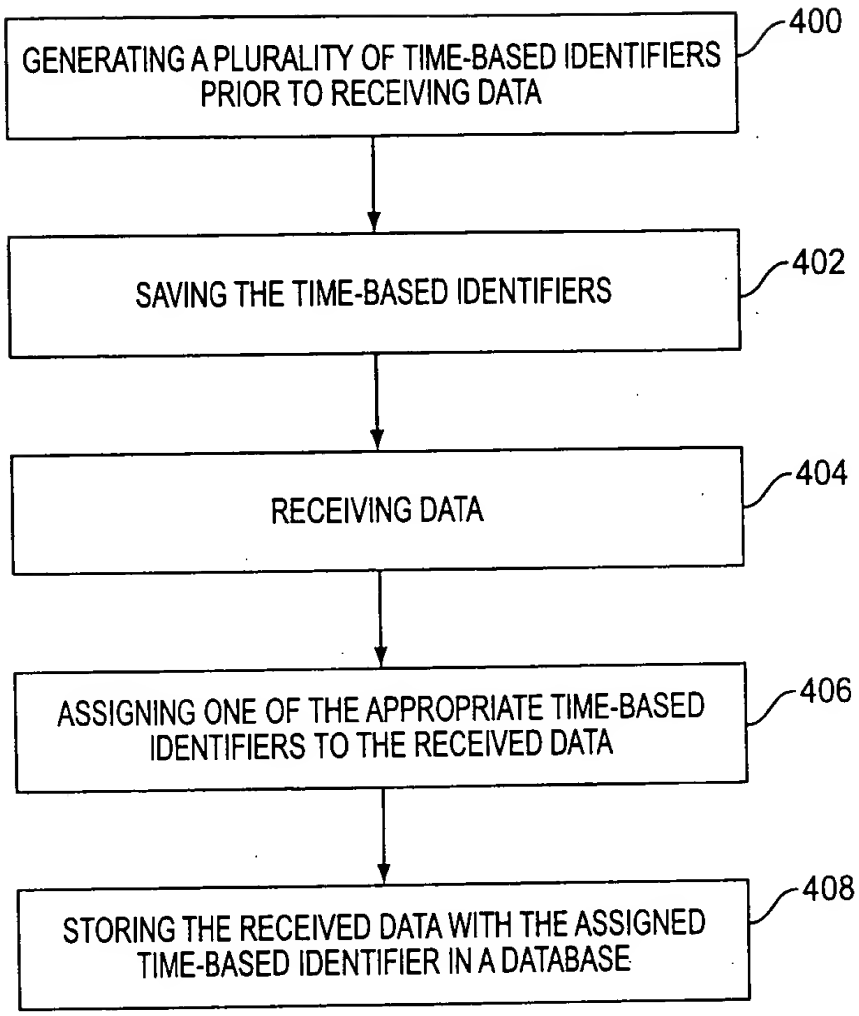

FIG. 4

MAY 0 7 2004
PATENT & TRADEMARK OFFICE

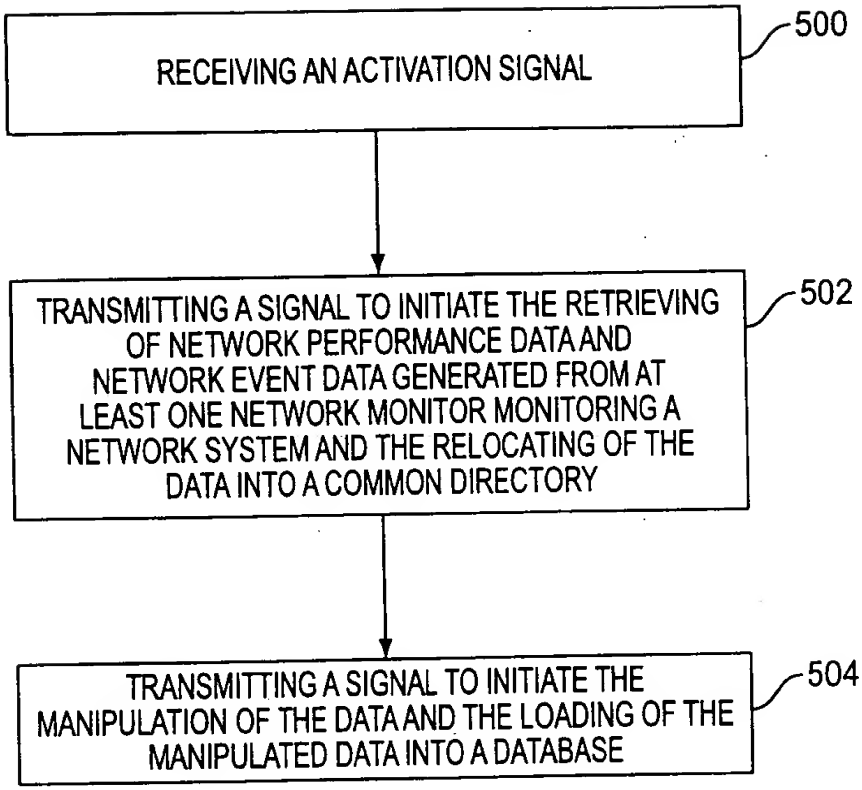

FIG. 5

PATENT & TRADEMARK OFFICE
MAY 07 2004

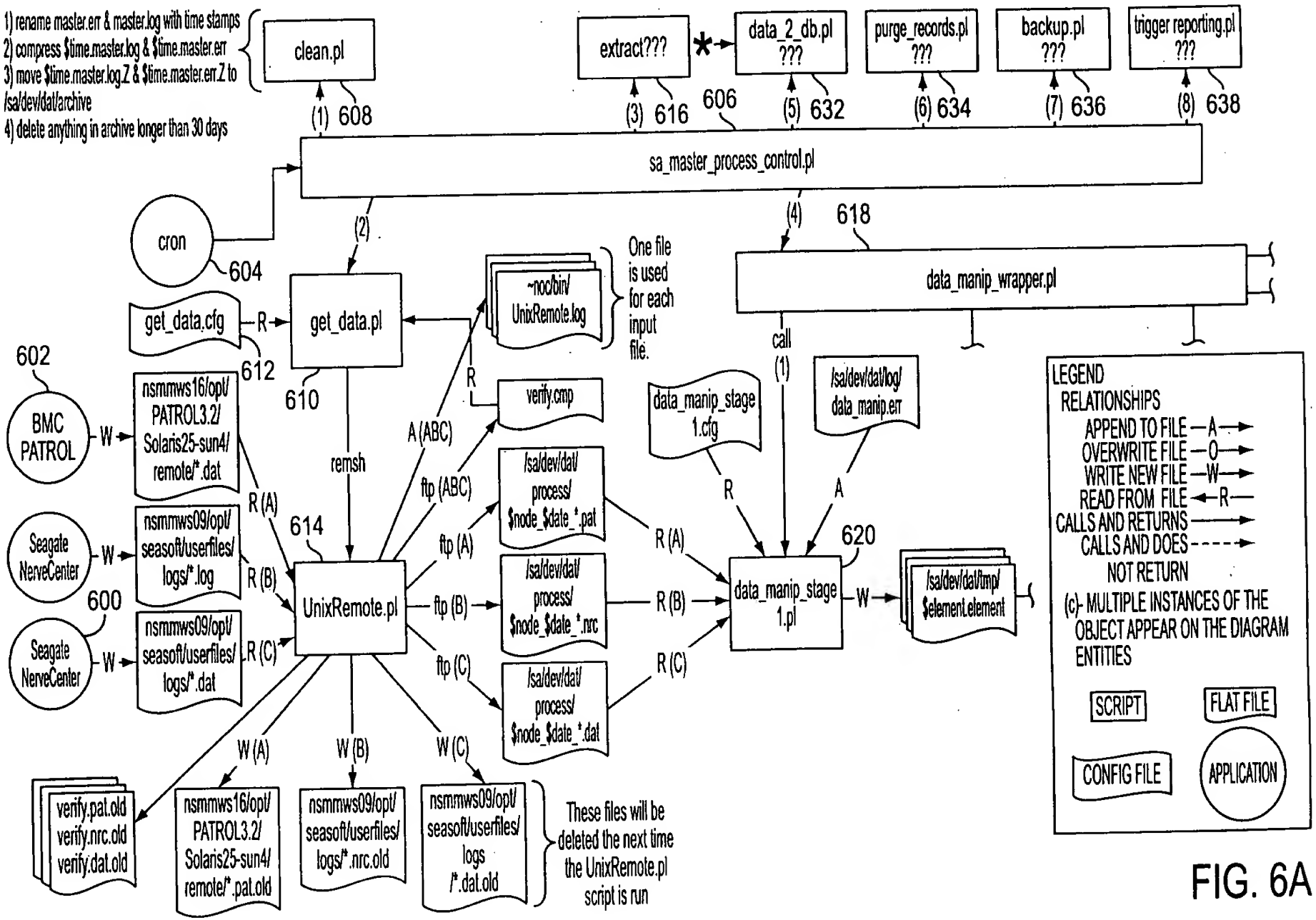

FIG. 6A

OIPE
MAY 07 2004
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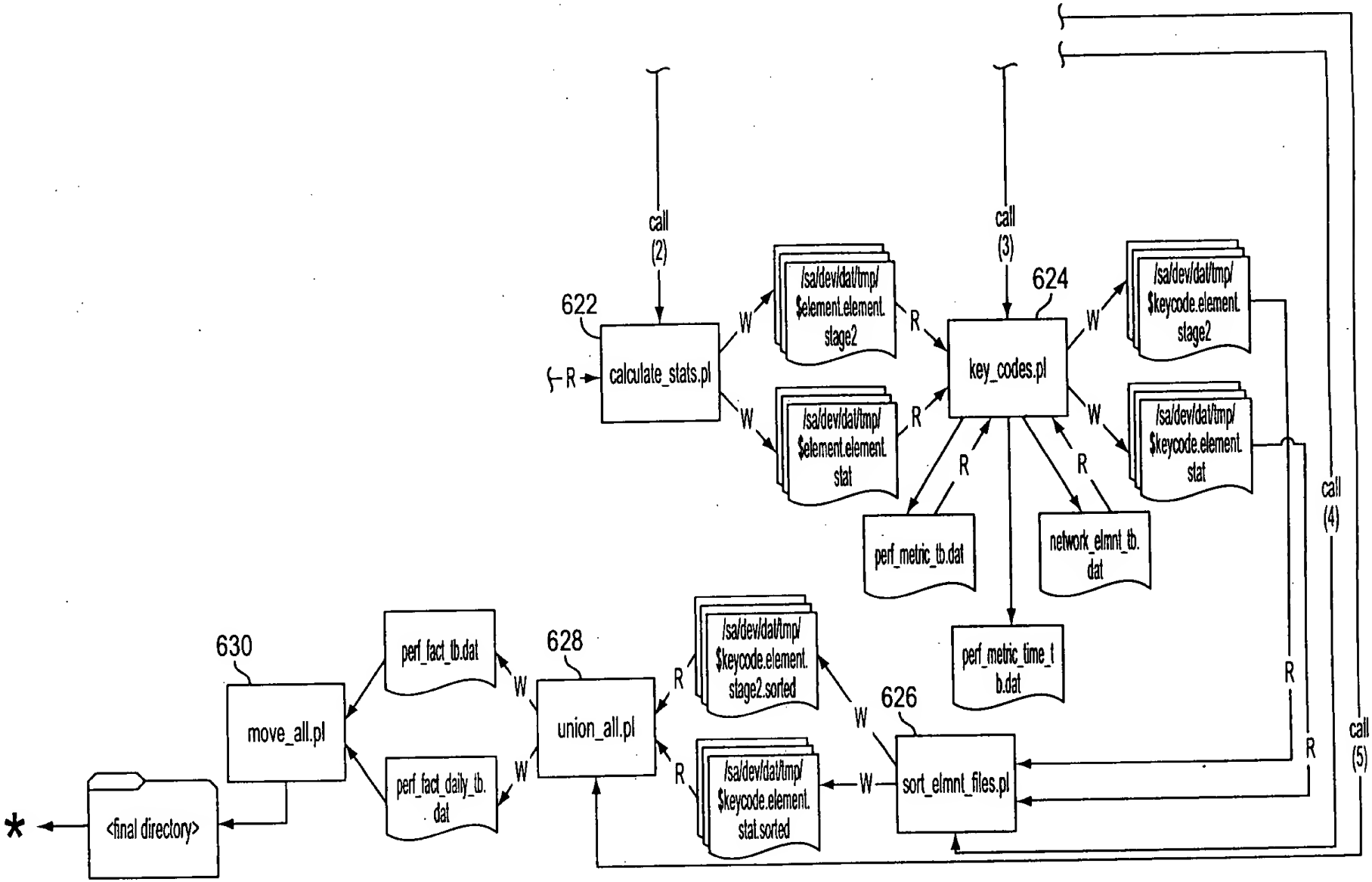

FIG. 6B

OIPE JC68
MAY 07 2004
PATENT & TRADEMARK OFFICE

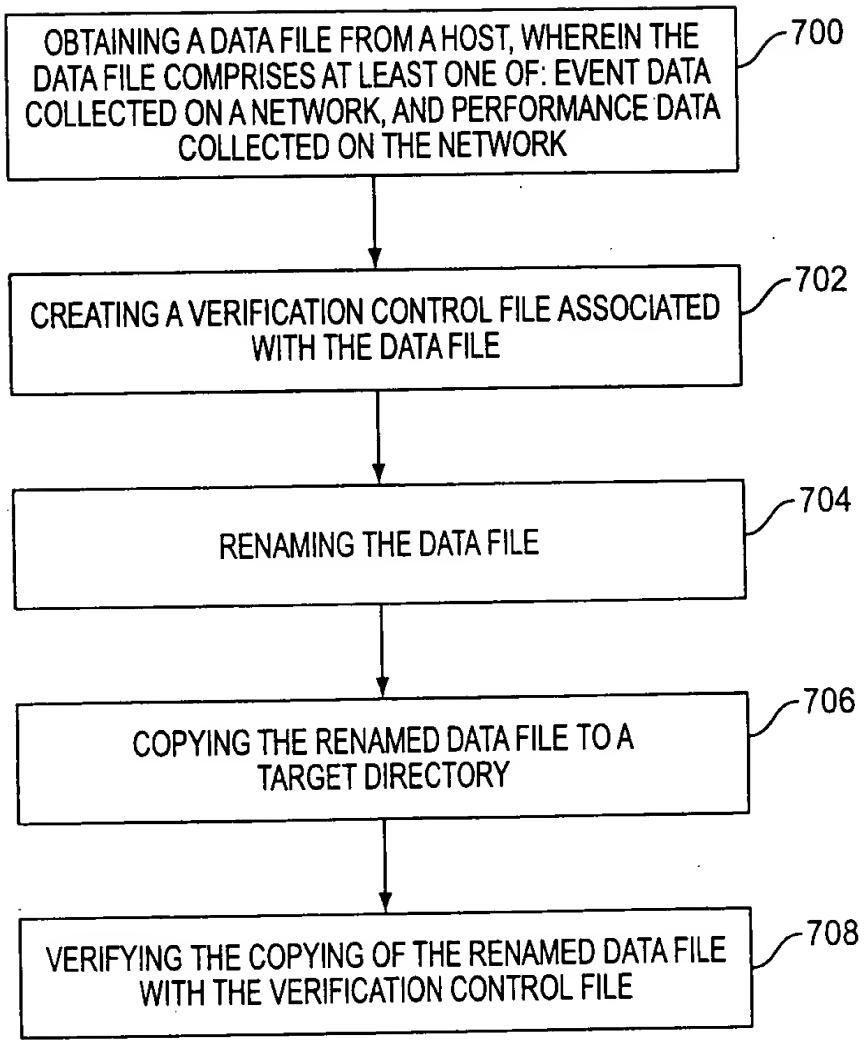

FIG. 7

PATENT & TRADEMARK OFFICE
MAY 07 2004

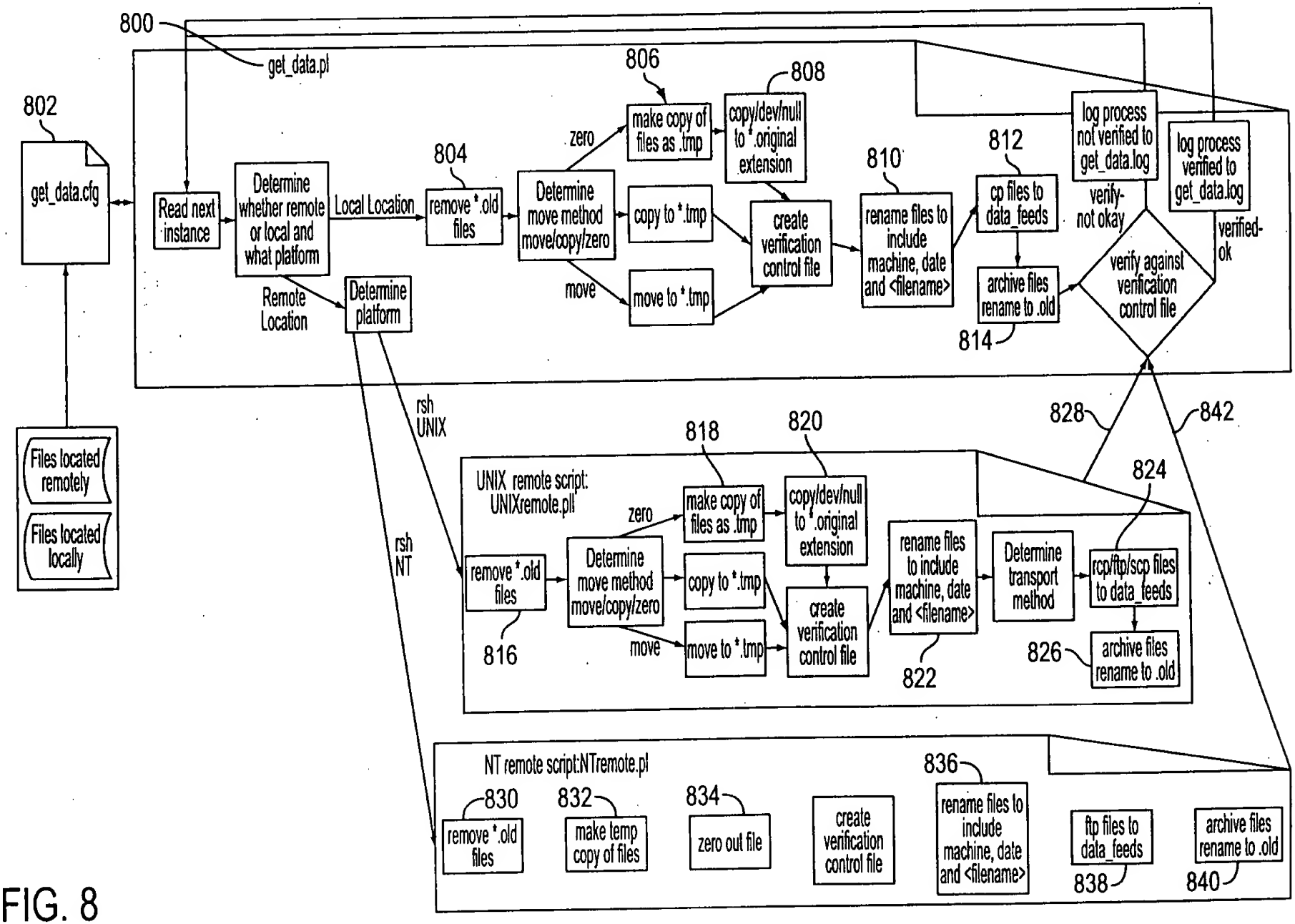

FIG. 8

OIPE JC64
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

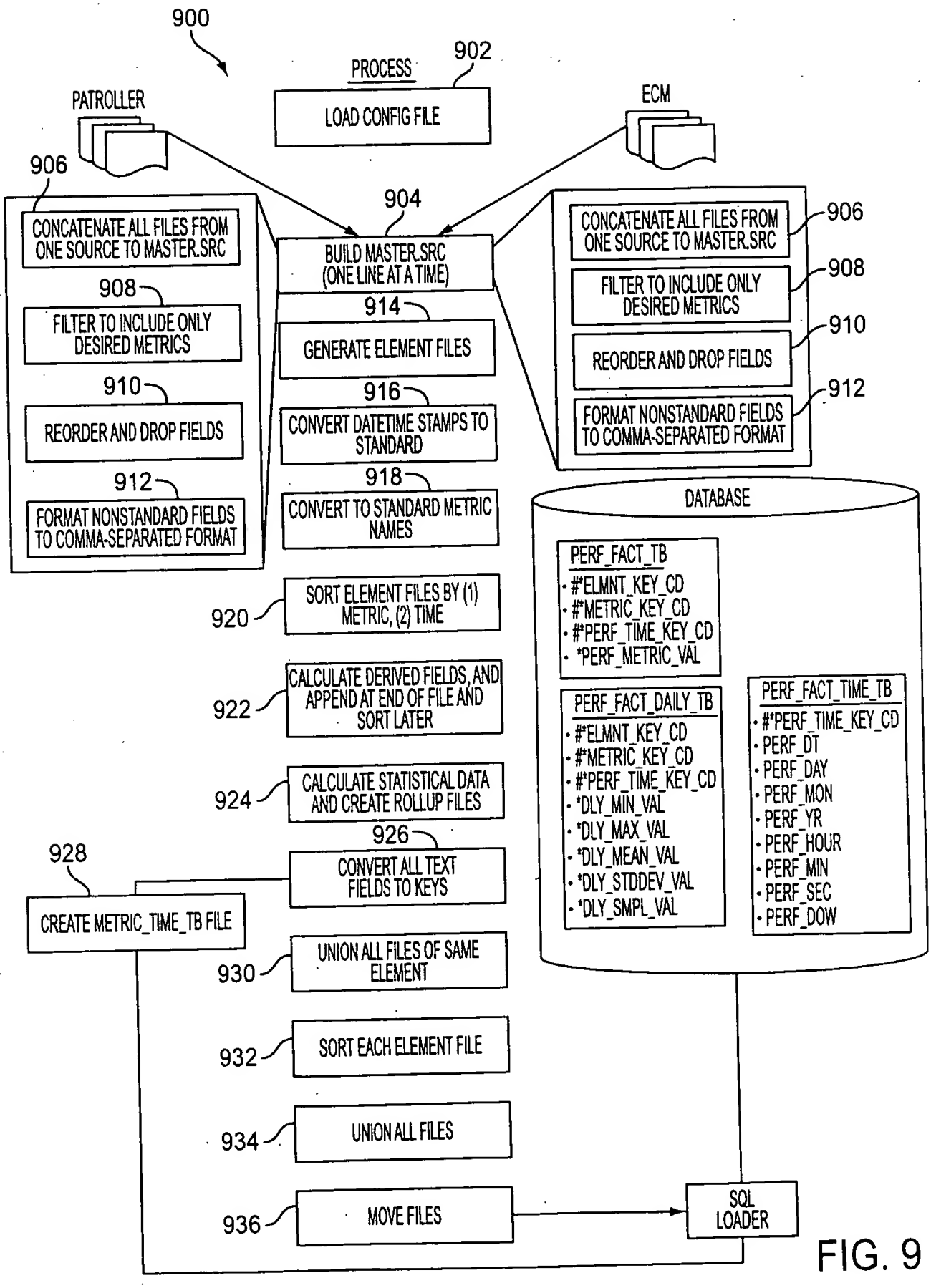

FIG. 9

OIPE JC68
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

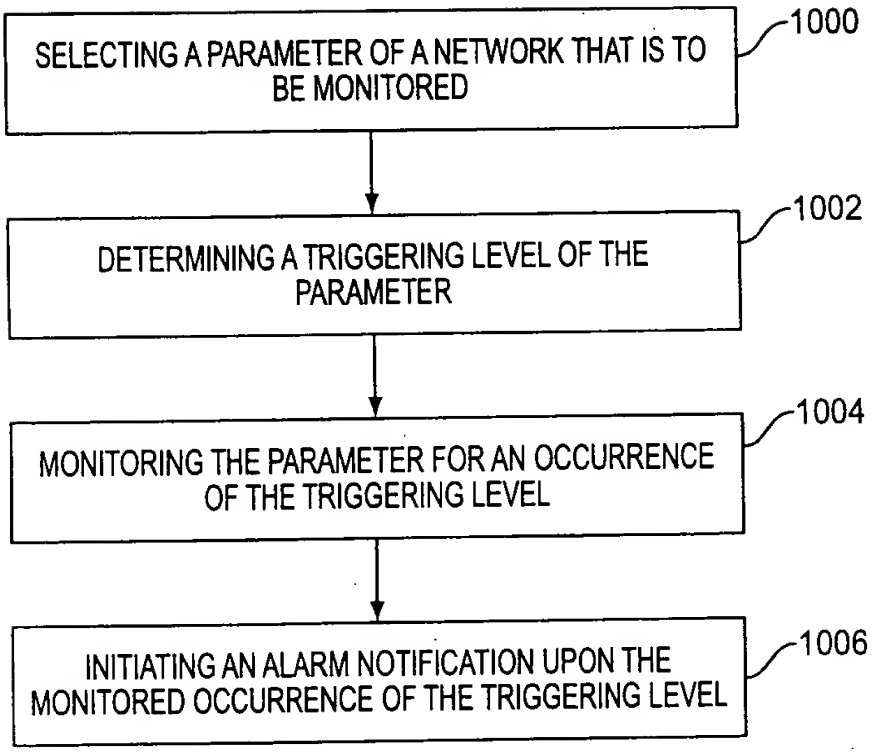

FIG. 10

OIPE JC68
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

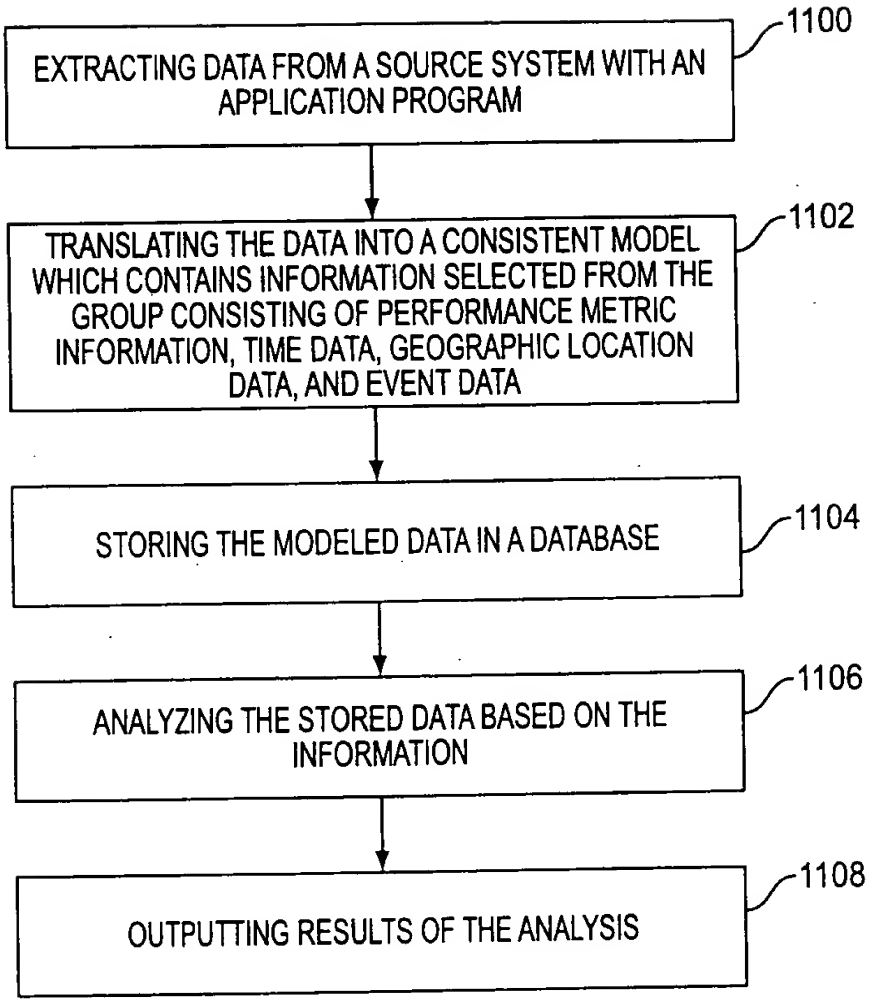

FIG. 11

MAY 07 2004
PATENT & TRADEMARK OFFICE

TABLESPACE	DEFAULT STATUS	PHYSICAL REQUIREMENTS	RELATED TABLESPACES/ RELATIONSHIPS	DATAFILE	DATAFILE SIZE (MB)	OPERATING SYSTEM	DATABASE ID	ENTITY LOCATION
IPSADAT01	On-Line	Data only-No indexes	IPSAIDX/Index tablespace	/files5/oradata/IPSA01/IPSA01ipsadat01.dat	100	HP-UX 10.2	IPSA01	
IPSAIDX	On-Line	Index only	IPSADAT01/data tablespace	/files4/oradata/IPSA01/IPSA01idx01.dbf	20	HP-UX 10.2	IPSA01	
SYSTEM	On-Line		ALL	/files1/oradata/IPSA01/IPSA01system01.dbf	60	HP-UX 10.2	IPSA01	
TEMP01	On-Line		ALL	/files3/oradata/IPSA01/IPSA01tmp01.dbf	20	HP-UX 10.2	IPSA01	
RBS01	On-Line	Contains the 4 rollback segments for the database	ALL	/files2/oradata/IPSA01/IPSA01rbs01.dbf	30	HP-UX 10.2	IPSA01	

FIG. 12

PATENT & TRADEMARK OFFICE
MAY 07 2004

ELEMENTS	2,000	2,500	5,000	10,000	20,000	50,000
AVERAGE METRICS/ELEMENT	10	10	10	10	10	10
POLL FREQUENCY	100	100	100	100	100	100
DETAIL DATA RETENTION	40	40	40	40	40	40
DAILY ROLLUP DATA RETENTION	400	400	400	400	400	400
DETAIL RECORDS/DAY	2,000,000	2,500,000	5,000,000	10,000,000	20,000,000	50,000,000
TOTAL DETAIL RECORDS	80,000,000	100,000,000	200,000,000	400,000,000	800,000,000	2,000,000,000
DAILY ROLLUP RECORDS/DAY	20,000	25,000	50,000	100,000	200,000	500,000
TOTAL DAILY ROLLUP RETAINED	8,000,000	10,000,000	20,000,000	40,000,000	80,000,000	200,000,000
TOTAL RECORDS	**88,000,000**	**110,000,000**	**220,000,000**	**440,000,000**	**880,000,000**	**2,200,000,000**
TOTAL SPACE/TABLE (BYTES)						
ELMNT_LOC_TB	90,000	112,500	225,000	450,000	900,000	2,250,000
NETWORK_ELMNT_TB	204,000	255,000	510,000	1,020,000	2,040,000	5,100,000
PERF_FACT_DAILY_TB	208,000,000	260,000,000	520,000,000	1,040,000,000	2,080,000,000	5,200,000,000
PERF_FACT_TB	3,280,000,000	4,100,000,000	8,200,000,000	16,400,000,000	32,800,000,000	82,000,000,000
PERF_METRIC_TIME_TB	1,285,632,000	1,285,632,000	1,285,632,000	1,285,632,000	1,285,632,000	1,285,632,000
PERF_METRIC_TB	1,638	1,638	1,638	1,638	1,638	1,638
TOTAL SPACE NEEDED (BYTES)	**4,773,927,638**	**5,646,001,138**	**10,006,368,638**	**18,727,103,638**	**36,168,573,638**	**88,492,983,638**
TOTAL SPACE NEEDED (MB)	**4,662.04**	**5,513.67**	**9,771.84**	**18,288.19**	**35,320.87**	**86,418.93**

FIG. 13

OIPE JC
MAY 0 7 2004
PATENT & TRADE

TABLE	COLUMN	DATA TYPE	COULMN SIZE (BYTES)	ROW SIZE (BYTES)	SPACE USED/ ROW (BYTES)
ELMNT_LOC_TB	ELMNT_LOC_CD	Varchar2(5)	6		
	ELMNT_CITY_NM	Varchar2(30)	31		
	ELMNT_STATE_DBRV	Varchar2(2)	3	43	45
EVENT_CD_TB	EVENT_CD				
	EVENT_STRING				
	EVENT_AVAIL_TYPE				
	EVENT_PAIR			3	11
EVENTS_FACT_TB	ELMNT_KEY_CD	Number(10)	7		
	PERF_TIME_KEY_CD	Number(10)	7		
	EVENT_CD				
	EVENT_DURATION				
	EVENT_SEVERITY				
	EVENT_CLASS			17	19
NETWORK_ELMNT_TB	ELMNT_KEY_CD	Number(10)	7		
	ELMNT_NM	Varchar2(20)	21		
	ELMNT_TYPE_CD	Varchar2(2)	3		
	ELMNT_VNDR_NM	Varchar2(30)	31		
	ELMNT_VNDR_MDL	Varchar2(20)	21		
	ELMNT_VAL_DT	Date	8		
	ELMNT_LOC_CD	Varchar2(5)	6	100	102
PERF_FACT_DAILY_TB	ELMNT_KEY_CD	Number(10)	7		
	METRIC_KEY_CD	Number(10)	7		
	PERF_TIME_KEY_CD	Number(10)	7		
	DLY_MIN_AMT				
	DLY_MAX_AMT				
	DLY_MEAN_AMT				
	DLY_MEDIAN_AMT				
	DLY_STDDEV_AMT			24	26
PERF_FACT_TB	ELMNT_KEY_CD	Number(10)	7		
	PERF_TIME_KEY_CD	Number(10)	7		
	METRIC_KEY_CD	Number(10)	7		
	PERF_METRIC_VAL	Number(25,5)	15	39	41
PERF_METRIC_TB	METRIC_KEY_CD	Number(10)	7		
	METRIC_NM	Varchar2(30)	31		
	METRIC_SRC	Varchar2(20)	21		
	METRIC_INS	Varchar2(30)	31		
	METRIC_SUB_INS	Varchar2(30)	31	124	126
PERF_METRIC_TIME_TB	PERF_TIME_KEY_CD	Number(10)	7		
	PERF_DT	Date	8		
	PERF_DAY	Number(2)	2		
	PERF_MON	Number(2)	2		
	PERF_YR	Number(4)	3		
	PERF_HOUR	Number(2)	2		
	PERF_MIN	Number(2)	2		
	PERF_SEC	Number(2)	2		
	PERF_DOW	Varchar2(9)	10	370	372

FIG. 14

MAY 07 2004

	TIME TO LOAD (DIRECT)	TIME TO LOAD (CONVENTIONAL)	NUMBER OF ROWS LOADED	AMOUNT OF DATA (MB)	COMMENTS
EMPTY TABLE	00:04:32	00:30:12	1,048,576	35	
1 MIL ROWS IN TABLE	00:06:29	00:32:57	1,048,576	35	INDEX WAS 10 MB LARGER FOR CONVENTIONAL LOAD. THIS SUGGEST SOME DEGREE OF FRAGMENTATION OCCURRED DURING LOAD WHICH WOULD REQUIRE WEEKLY INDEX MAINTENANCE
EMPTY TABLE	00:14:49	01:31:47	3,145,728	106	
2 MIL ROWS IN TABLE	00:08:49	00:35:49	1,048,576	35	INDEX WAS 30 MB LARGER FOR CONVENTIONAL LOAD. THIS SUGGEST SOME DEGREE OF FRAGMENTATION OCCURRED DURING LOAD WHICH WOULD REQUIRE WEEKLY INDEX MAINTENANCE
EMPTY TABLE	00:30:10	03:05:24	6,291,456	212	
3 MIL ROWS IN TABLE	00:22:52	01:33:15	3,145,728	106	HAD TO INCREASE THE SIZE OF THE INDEX TABLESPACE IN ORDER FOR THE NEW INDEX AND THE OLD INDEX TO MERGE AT THE END OF DIRECT LOAD.

FIG. 15

OIPE JC04
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

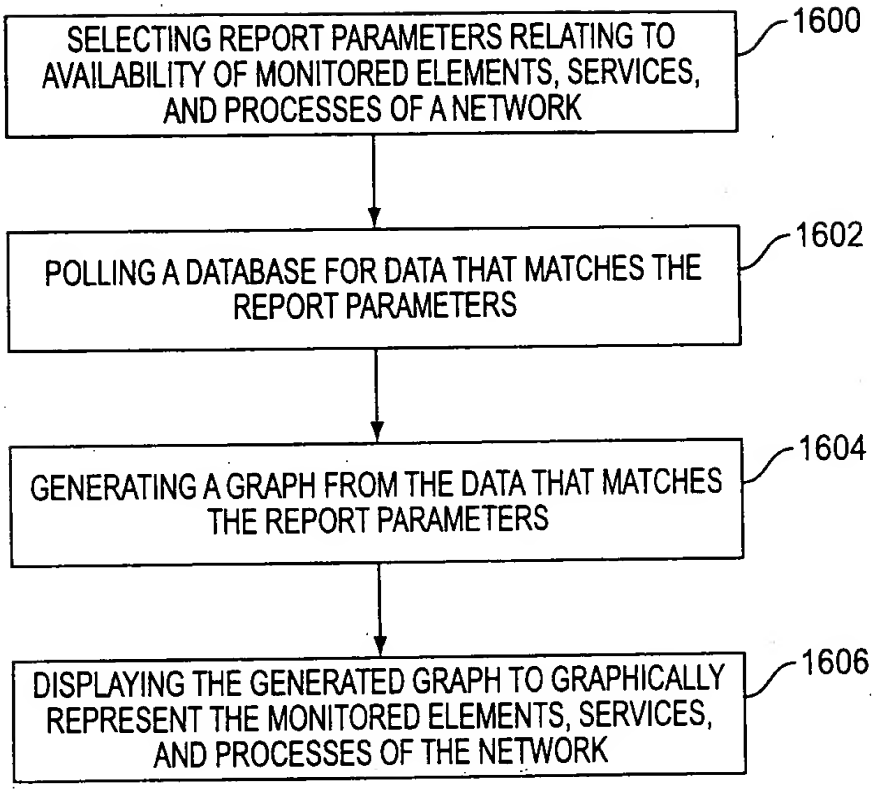

FIG. 16

OIPE JC04
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

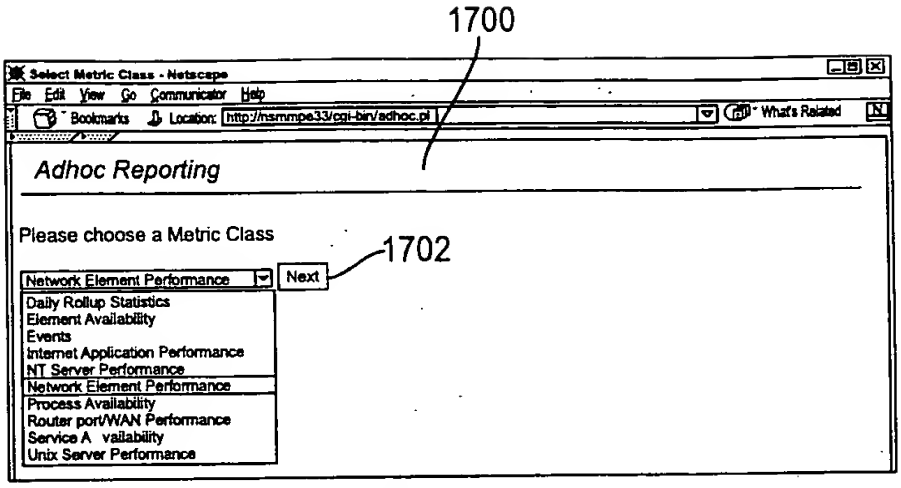

FIG. 17A

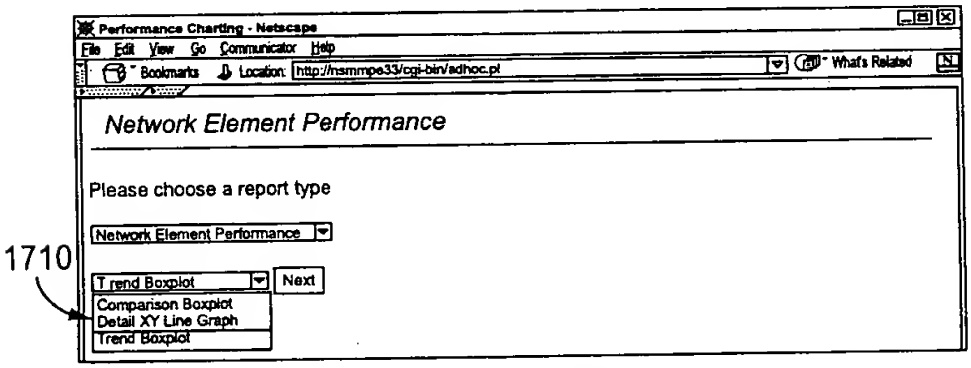

FIG. 17B

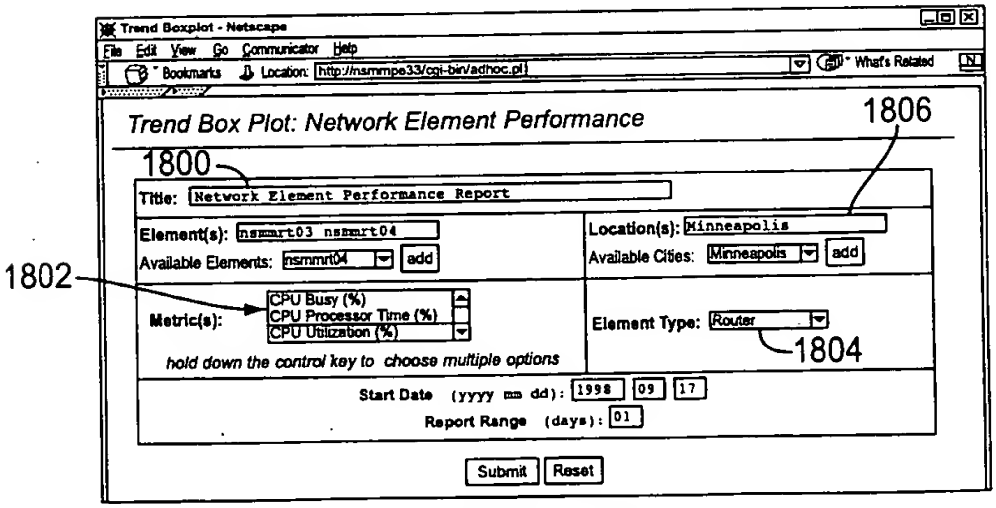

FIG. 18

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Notes								
1. The Object and Report columns list all the daily batch report types required								
2. The total number of daily batch reports is listed in the column Batch Report Qty								
3. Each batch report is one of seven Generic Report Types detailed on sheet 2								
4. Data collection requirements driven by each report are given for Snmp and Patrol Metrics								
5. The reports marked with an asterisk (*) are optional for Phase 2								
Object	Report	Generic Report Type	Graph type	y axis units	y axis range	x axis units	x axis range	Batch report qty
Router, Cisco 7500	CPU Utilization Daily Detail	Daily detail	x-y line	%	0-100	hours	24	2
	CPU Utilization Daily Comparison	Daily comparison	boxplot	%	0-100	nodes	all routers	1
	CPU Utilization Trend	Monthly trend	boxplot	%	0-100	days	30	2
	Router Exceptions	Daily exception spectrum	spectrum	elements	all elements	hours	24	1
Router Interfaces/WAN	Interface Utilization Daily Detail	Daily detail, n sub-objects	x-y line	%	0-100	hours	24	2
	Interface Utilization Trend	Monthly trend	boxplot	%	0-100	days	30	4
	Interface Utilization Daily Detail	Daily detail, n sub-objects	x-y line	packets/sec	0-ifSpeed	hours	24	2
	Interface Utilization Trend	Monthly trend	boxplot	packets/sec	0-ifSpeed	days	30	4
	Response Time Daily Detail*	Daily detail, n sub-objects	x-y line	seconds	0-ifSpeed	hours	24	0
	Response Time Trend*	Monthly trend	boxplot	seconds	0-ifSpeed	days	30	0

FIG. 19A

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	Naming standard:				
	<Description Units>				
	Database variable name				
Batch report requirements	y axis metric name	SNMP metrics	Patrol metrics	Patrol Collector	Max/Min Precision
Two router reports daily	CpuBusy_Percent	busyPer	N/A	N/A	
One report daily, comparing two routers	CpuBusy_Percent	busyPer	N/A	N/A	
Two router trend reports daily	CpuBusy_Percent	busyPer	N/A	N/A	
One report daily, showing exceptions for two routers	N/A	N/A	N/A	N/A	
Two router reports daily, each showing two interfaces	InterfaceUtilization_Percent	ifInOctects, ifOutOctets, ifSpeed	N/A	N/A	
Four interface reports daily	InterfaceUtilization_Percent	ifInOctects, ifOutOctets, ifSpeed	N/A	N/A	
Two router reports daily, each showing two interfaces	InterfaceUtilization_BPS	ifInOctets, ifOutOctets, ifSpeed	N/A	N/A	
Four interface reports daily	InterfaceUtilization_BPS	ifInOctets, ifOutOctets, ifSpeed	N/A	N/A	
	N/A	N/A	N/A	N/A	
	N/A	N/A	N/A	N/A	

FIG. 19B

OIPE
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Unix servers	CPU Utilization Daily Detail	Daily detail	x-y line	%	0-100	hours	24	1
	CPU Utilization Trend	Monthly trend	boxplot	%	0-100	days	30	1
	Memory Utilization Daily Detail	Daily detail	x-y line	bytes	0-100	hours	24	1
	Memory Utilization Trend	Monthly trend	boxplot	bytes	0-100	days	30	1
	Network I/O Daily Detail	Daily detail	x-y line	%	0-100	hours	24	1
	Network I/O Trend	Monthly trend	boxplot	%	0-100	days	30	1
	Disk Percent Busy Daily Detail	Daily detail	x-y line	%	0-100	hours	24	1
	Disk Percent Busy Trend	Monthly trend	boxplot	%	0-100	days	30	1
	Unix Exceptions	Daily exception spectrum	spectrum	elements	all elements	hours	24	1
NT servers	CPU Utilization Daily Detail	Daily detail	x-y line	%	0-100	hours	24	1
	CPU Utilization Trend	Monthly trend	boxplot	%	0-100	days	30	1
	Memory Utilization Daily Detail	Daily detail	x-y line	% or bytes	0-100	hours	24	1
	Memory Utilization Trend	Monthly trend	boxplot	% or bytes	0-100	days	30	1
	Network I/O Daily Detail	Daily detail	x-y line	packets/sec	0-100	hours	24	1
	Network I/O Trend	Monthly trend	boxplot	packets/sec	0-100	days	30	1
	Disk Percent Busy Daily Detail	Daily detail	x-y line	%	0-100	hours	24	1
	Disk Percent Busy Trend	Monthly trend	boxplot	%	0-100	days	30	1
	NT Exceptions	Daily exception spectrum	spectrum	elements	all elements	hours	24	1
Network Elements (all hardware)	Network Availability Bar Chart	Daily availability bar chart	bar	%	0-100	elements	all elements	1
	Network Availability Spectrum*	Daily availability spectrum	spectrum	elements	all elements	hours	24	0
Internet Services (fault mgmt)	Process Availability Bar Chart	Daily availability bar chart	bar	%	0-100	processes	all processes	1

FIG. 19C

OIPE
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One server report daily	CpuUtilization_Percent	N/A	CPUCpuUtil	VMColl	0/100 - #.###
One server report daily	CpuUtilization_Percent	N/A	CPUCpuUtil	VMColl	0/100 - #.###
One server report daily	MemoryFree_Pages	N/A	MEMFreeMem	VMColl	0/+ - #.###
One server report daily	MemoryFree_Pages	N/A	MEMFreeMem	VMColl	0/+ - #.###
One server report daily	NetworkTraffic_PPS	N/A	NETPacketsIn, NETPacketsOut	NETColl	0/+ - #.###
One server report daily	NetworkTraffic_PPS	N/A	NETPacketsIn, NETPacketsOut	NETColl	0/+ - #.###
One server report daily, showing two disks	DiskBusy_Percent	N/A	DSKPercentBusy		0/100 - #.###
One report daily, showing two disks	DiskBusy_Percent	N/A	DSKPercentBusy		0/100 - #.###
One report daily, showing exceptions from two servers	N/A	N/A	N/A	N/A	
One server report daily	CpuProcessorTime_Percent		CPUprcrProcessorTimePercent	CPUProcessorColl	0/100 - #.###
One server report daily	CpuProcessorTime_Percent		CPUprcrProcessorTimePercent	CPUProcessorColl	0/100 - #.###
One server report daily	MemoryFree_Mbytes		MEMmemAvailableBytes	MEMMemoryColl	0/+ - #.###
One server report daily	MemoryFree_Mbytes		MEMmemAvailableBytes	MEMMemoryColl	0/+ - #.###
One server report daily	NetworkTraffic_PPS		NETniPcktsPerSec	NETNetworkInterfaceColl	0/+ - #.###
One server report daily	NetworkTraffic_PPS		NETniPcktsPerSec	NETNetworkInterfaceColl	0/+ - #.###
One server report daily, showing two disks	DiskTime_Percent		PDpdDiskTimePercent	PDPhysicalDiskColl	0/100 - #.###
One server report daily, showing two disks	DiskTime_Percent		PDpdDiskTimePercent	PDPhysicalDiskColl	0/100 - #.###
One report daily, showing exceptions from two servers	N/A	N/A	N/A	N/A	N/A
One report showing all elements	N/A	N/A	N/A	N/A	N/A
One report showing all elements	N/A	N/A	N/A	N/A	N/A
One report showing 5 ISP apps	N/A	N/A	N/A	N/A	N/A

FIG. 19D

OIPE
MAY 07 2004
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	Process Availability Spectrum*	Daily availability spectrum	spectrum	processes	all processes	hours	24	0
	Service Availability Bar Chart	Daily availability bar chart	bar	%	0-100	services	all services	1
	Service Availability Spectrum*	Daily availability spectrum	spectrum	services	all services	hours	24	0
All objects (fault mgmt)	Daily Exception Report	Textual list of all events	text	N/A	N/A	N/A	N/A	1
	FTP Response Time Daily Detail*	Daily detail	x-y line	seconds	0-max value			0
	FTP Response Time Trend*	Monthly trend	boxplot	seconds	0-max value			0
	SMTP Response Time Daily Detail*	Daily detail	x-y line	seconds	0-max value			0
	SMTP Response Time Trend*	Monthly trend	boxplot	seconds	0-max value			0
	NNTP Response Time Daily Detail*	Daily detail	x-y line	seconds	0-max value			0
	NNTP Response Time Trend*	Monthly trend	boxplot	seconds	0-max value			0
	HTTP Response Time Daily Detail*	Daily detail	x-y line	seconds	0-max value			0
	HTTP Response Time Trend*	Monthly trend	boxplot	seconds	0-max value			0
							Total	40

FIG. 19E

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PATENT & TRADEMARK OFFICE

One report showing 5 ISP apps	N/A	N/A	N/A	N/A	N/A
One report showing 5 ISP apps	N/A	N/A	N/A	N/A	N/A
One report showing 5 ISP apps	N/A	N/A	N/A	N/A	N/A
One report daily showing all events	N/A	N/A	N/A	N/A	N/A
One report daily	FtpResponseTime_Seconds	N/A	ftpResponseTime	ftpMonitor	
One report daily	FtpResponseTime_Seconds	N/A	ftpResponseTime	ftpMonitor	
One report daily	SmtpResponseTime_Seconds	N/A	smtpResponseTime	smtpMonitor	
One report daily	SmtpResponseTime_Seconds	N/A	smtpResponseTime	smtpMonitor	
One report daily	NntpResponseTime_Seconds	N/A	nntpResponseTime	nntpMonitor	
One report daily	NntpResponseTime_Seconds	N/A	nntpResponseTime	nntpMonitor	
One report daily	HttpResponseTime_Seconds	N/A	httpResponseTime	httpMonitor	
One report daily	HttpResponseTime_Seconds	N/A	httpResponseTime	httpMonitor	

FIG. 19F

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NOTES						
1. "Object" may refer to an element, process, or service.						
Generic Report Type	**Graph Type**	**Description**	**Scope**	**X-axis Units**	**X-axis Range**	**Y-axis Units**
Daily Detail	XY line graph	Shows all samples of a single metric from a single object over one day	1 object, 1 metric	Hours& minutes	24 hours	Metric value
Daily Detail, N Sub-objects	XY line graph	Shows all samples of multiple metrics from a single object over one day	n objects, 1 metric	Hours & minutes	24 hours	Metric value
Daily Object Comparison	Boxplot	Compares distributions of a single metric across multiple objects for one day	n objects, 1 metric	Objects	n objects	Metric value
Monthly Trend	Boxplot	Shows changes in distributions of a single metric over one month	1 object, 1 metric	Days	30 days	Metric value
Daily Availability Bar Chart	Bar Graph	Compares percent availability for multiple services or objects for one day	n objects, 1 availability	Objects	n objects	Percent
Daily Exception Spectrum	Spectrum	Shows exceptions for multiple objects as points over time.	n objects, n exceptions	Hours & minutes	24 hours	Objects
Daily Exception Text Report	Text List	Text list of all events over one day, with columns for date-time, event string, code, and severity.	n objects, n exceptions	N/A	N/A	N/A
Daily Availability Spectrum*	Spectrum	Shows up/down status as a continuous color-coded lineover time: red=down, green=up.	n objects, 1 availability	Hours & minutes	24 hours	Objects

FIG. 20

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1st Menu choice	2nd menu choice	3rd menu choice	4th menu choice	5th menu choice	6th menu choice	7th menu choice	Metrics(s)
Select Metric Class	Select Report Type	Select Element(s)	Select Location(s)	Select start date	# of days		
default	N/A	all	all	yesterday	1		
Element Availability	Percent Availability Bar Graph	<element name>	<element location>	<start date>	<days>		N/A
Service Availability	Percent Availability Bar Graph	<element name>	<element location>	<start date>	<days>	<service>	N/A
Process Availability	Percent Availability Bar Graph	<element name>	<element location>	<start date>	<days>	<process>	N/A
Events	Exception Spectrum	<element name>	<element location>	<start date>	<days>		N/A
Network Element Performance	Detail XY Line Graph	<element name>	<element location>	<start date>	<days>		Cpu Utilization (busyper)
	Trend Boxplot	<element name>	<element location>	<start date>	<days>		Cpu Utilization (busyper)
	Comparison Boxplot	<element name>	<element location>	<start date>	<days>		Cpu Utilization (busyper)
Router port/WAN Performance	Detail XY Line Graph	<element name>	<element location>	<start date>	<days>	<instance>	Interface Utilization (ifIn/OutOctects)
	Trend Boxplot	<element name>	<element location>	<start date>	<days>	<instance>	Interface Utilization (ifIn/OutOctects)
	Comparison Boxplot	<element name>	<element location>	<start date>	<days>	<instance>	Interface Utilization (ifIn/OutOctects)
Unix Server Performance	Detail XY Line Graph	<element name>	<element location>	<start date>	<days>	<instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Trend Boxplot	<element name>	<element location>	<start date>	<days>	<instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Comparison Boxplot	<element name>	<element location>	<start date>	<days>	<instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
NT Server Performance	Detail XY Line Graph	<element name>	<element location>	<start date>	<days>	<instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Trend Boxplot	<element name>	<element location>	<start date>	<days>	<instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
	Comparison Boxplot	<element name>	<element location>	<start date>	<days>	<instance>	Cpu Utilization, Memory Utilization, Network Utilization, Disk Percent Busy
Internet Application Performance*	Detail XY Line Graph	<element name>	<element location>	<start date>	<days>		Response Time
	Trend Boxplot	<element name>	<element location>	<start date>	<days>		Response Time
	Comparison Boxplot	<element name>	<element location>	<start date>	<days>		Response Time
Daily Rollup Statistics	Detail XY Line Graph	<element name>	<element location>	<start date>	<days>	<metric name>	<rollup statistic> (min, max, mean, std dev, sample size)

FIG. 21

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SNMP/PATROL METRICS	DESCRIPTION	PLATFORMS	UNITS	
busyPer	Provides the percent of CPU usage over the first 5 second period in the scheduler.	Router	percentage	
ifInOctets	The total number of octets received on the interface, including framing characters.	Router Interface	octets	
ifOutOctcets	The total number of octets transmitted out of the interface, including framing characters.	Router Interface	octets	
ifSpeed	An estimate of the interface's current bandwidth in bits per second. For interfaces which do not vary in bandwidth or for those where no accurate estimation can be made, this object should contain the nominal bandwidth.	Router Interface	bits per second	
CPUCpuUtil	Displays the percentage of CPU utilization.	UNIX	percentage	
MEMFreeMem	Displays the number of pages of memory available.	UNIX	pages	
NETPacketsIn	Displays the total number of incoming packets within a sample interval.	UNIX	packets	
NETPacketsOut	Displays the total number of outgoing packets within a sample interval.	UNIX	packets	
DSKPercentBusy	Displays the percentage of time that the device is busy servicing a transfer request.	UNIX	percentage	
CPUprcrProcessorTimePercent	Displays a percentage of the elapsed time that a processor is busy executing a non-idle thread.	NT	percentage	
MEMmemAvailableBytes	Displays the size of the virtual memory currently on the zeroed, free, and standby memory lists.	NT	megabytes	
NETniPcktsPerSec	Displays the rate that the packets are sent and received on the network.	NT	packets per second	
PDpdDiskTimePercent	Displays the percentage of elapsed time that the disk spends servicing read or write requests.	NT	percentage	

FIG. 22

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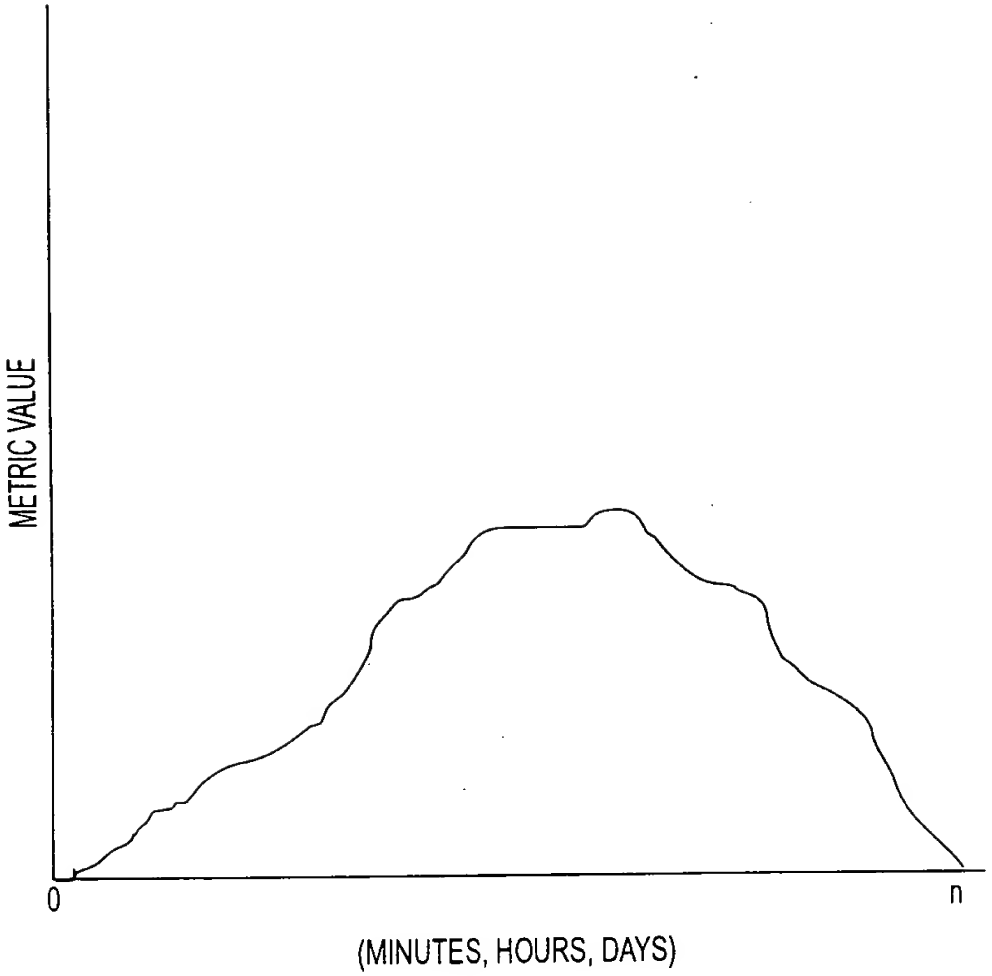

FIG. 23

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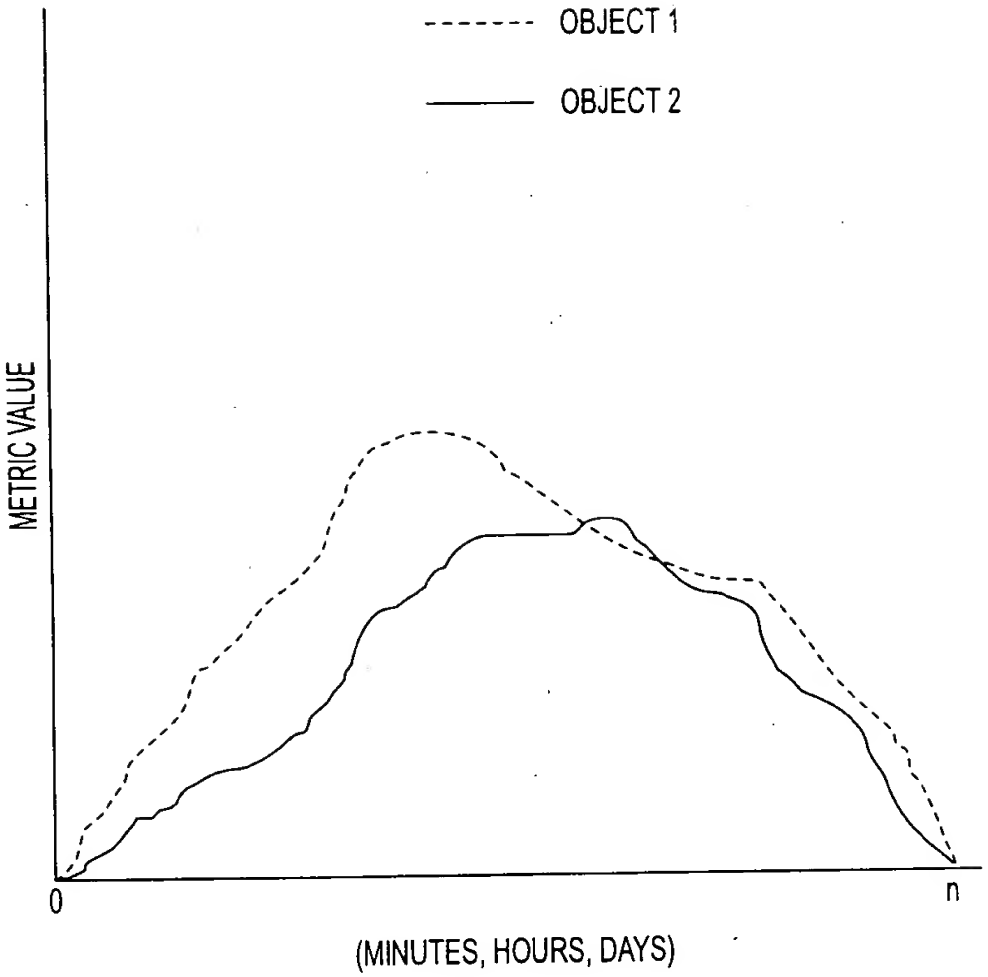

FIG. 24

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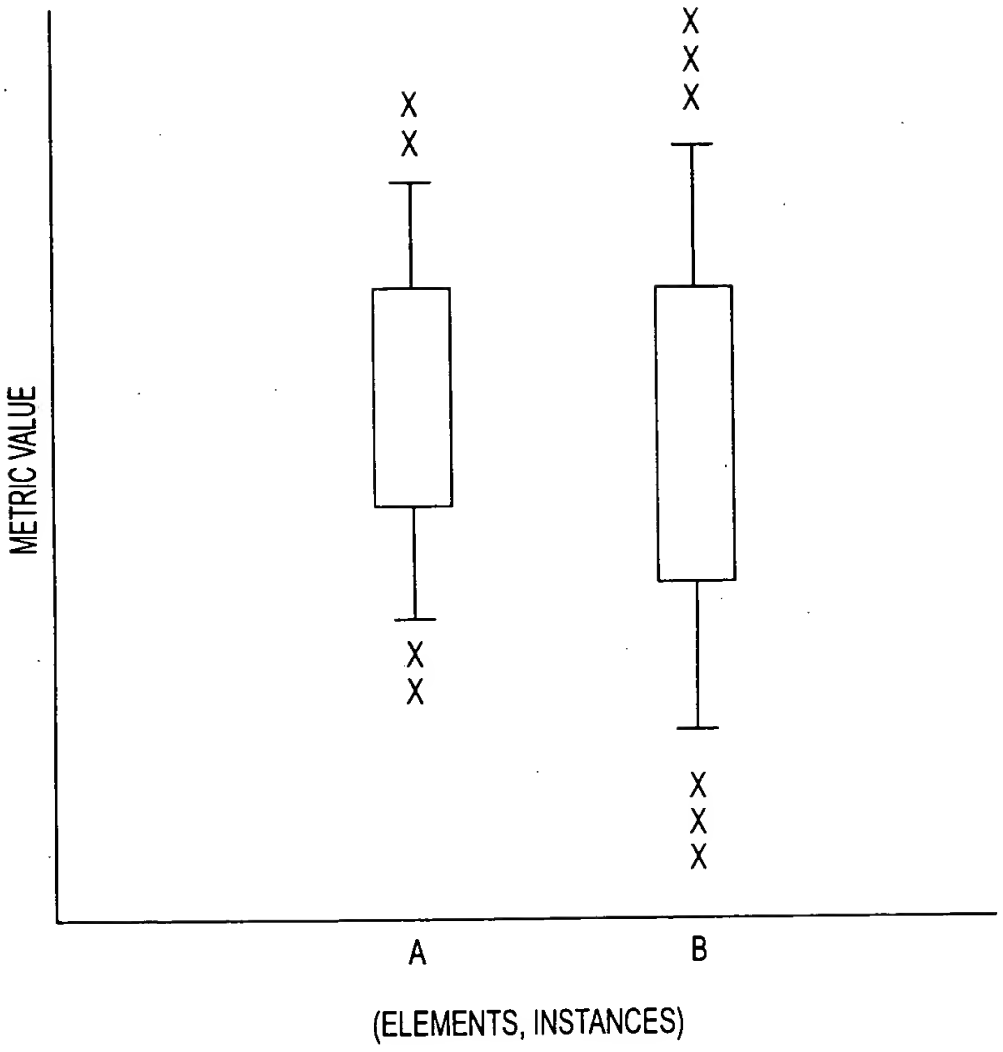

FIG. 25

OIPE JC684
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

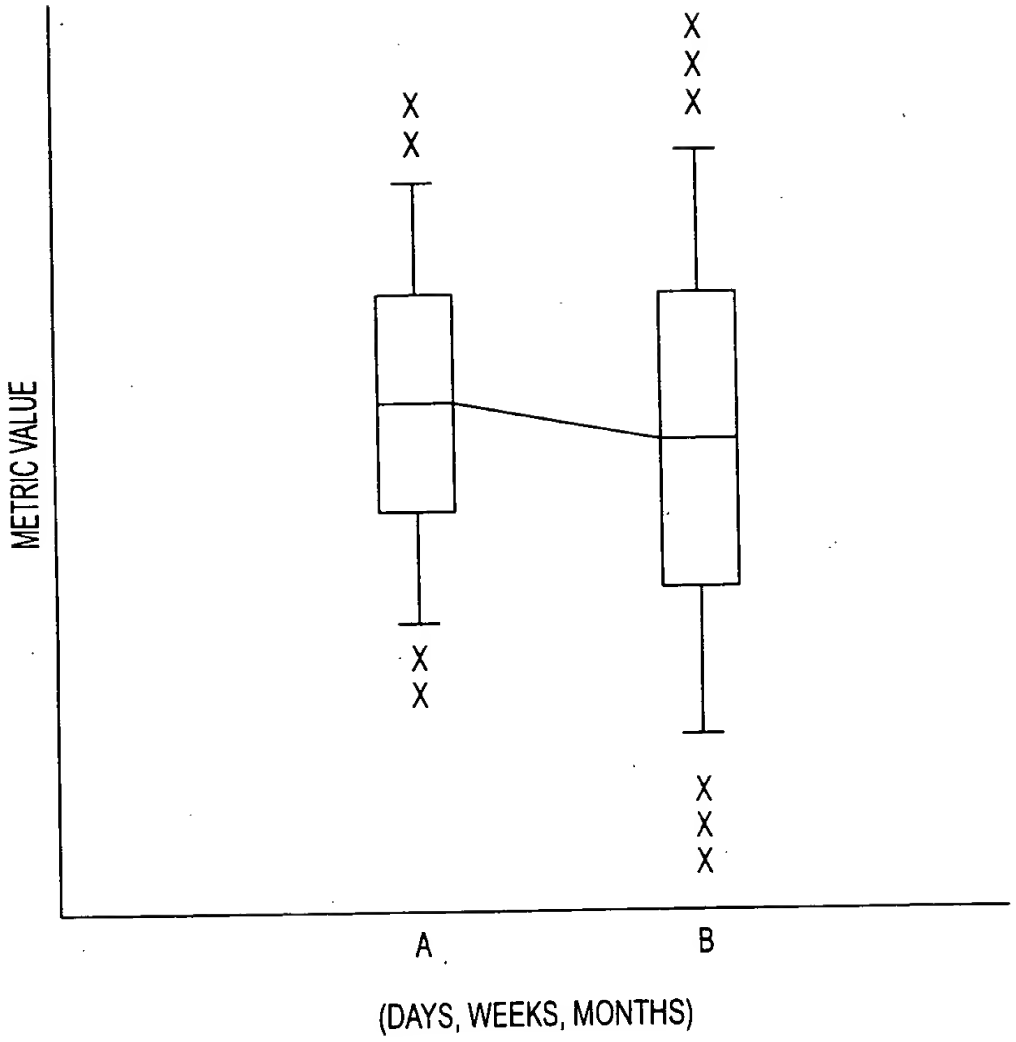

FIG. 26

OIPE JC64
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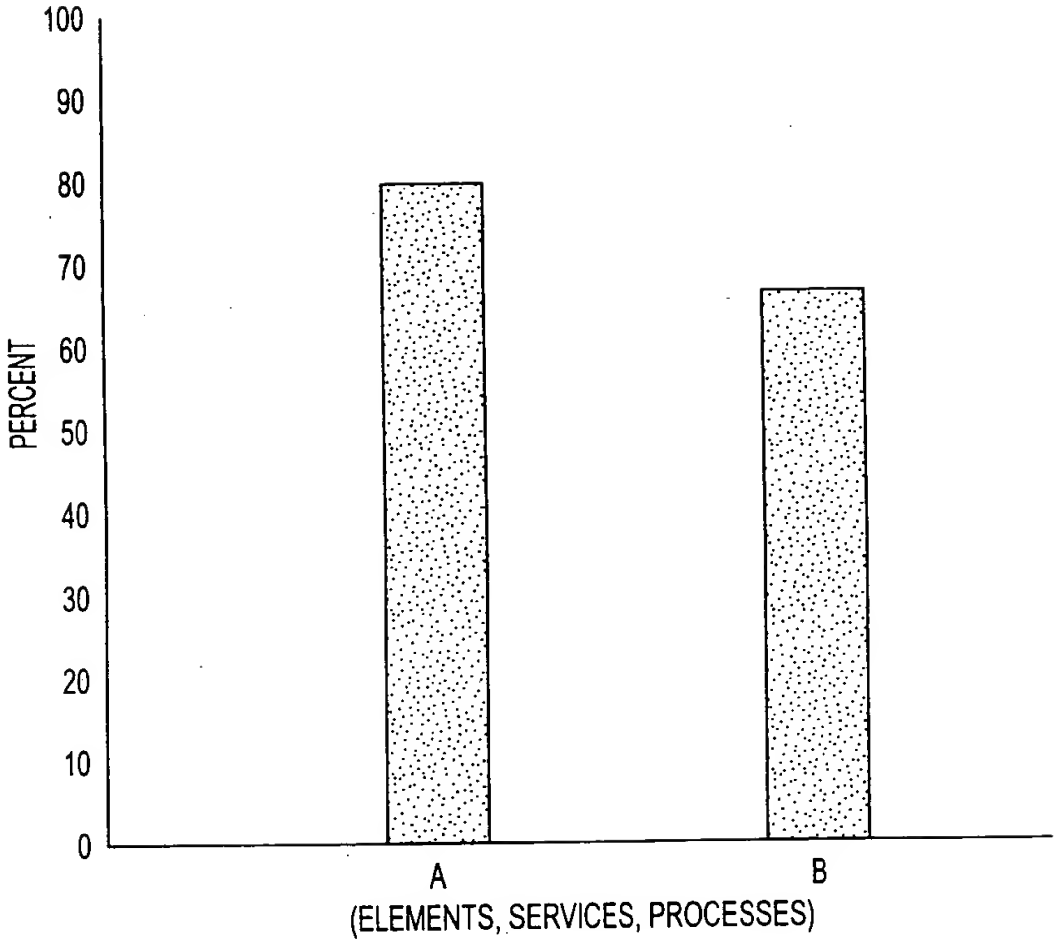

FIG. 27

MAY 0 7 2004
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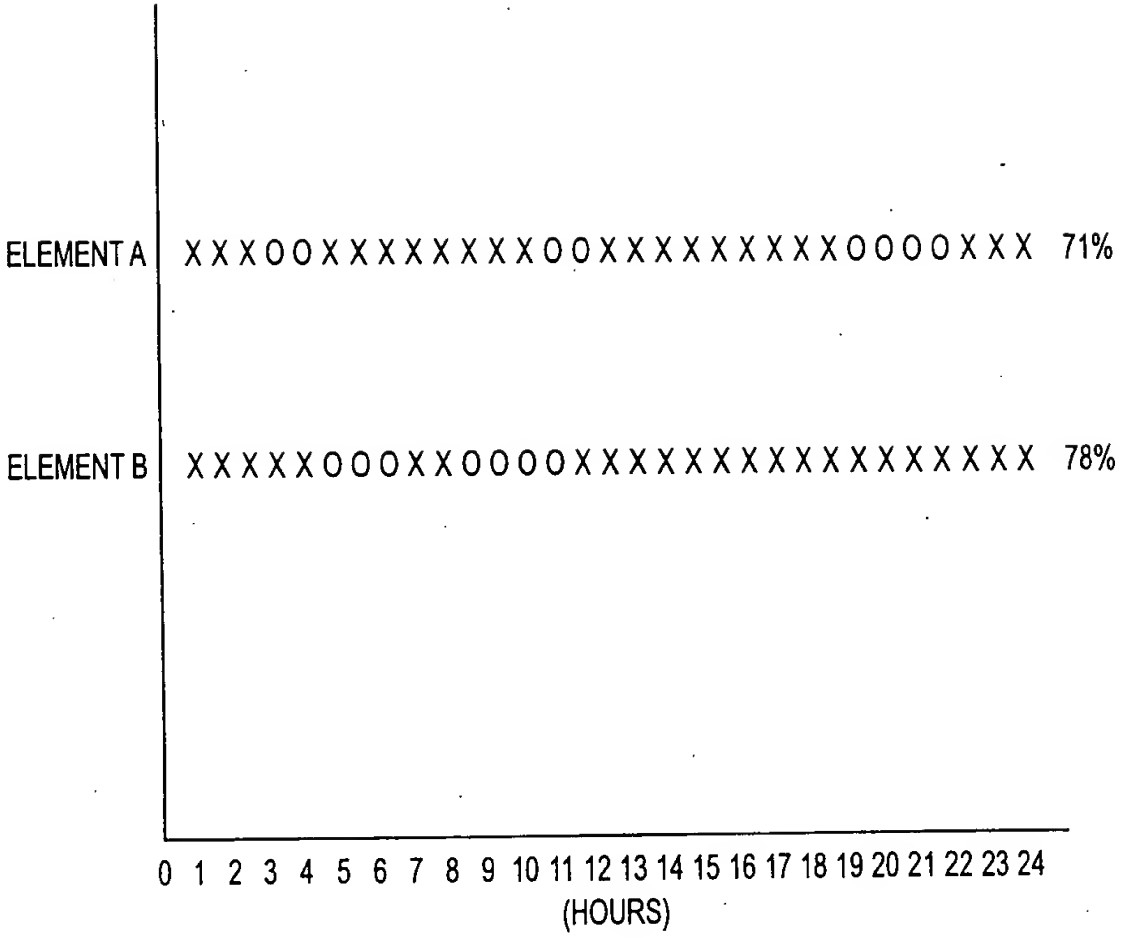

FIG. 28

OIPE JC68
MAY 0 7 2004
PATENT & TRADEMARK OFFICE

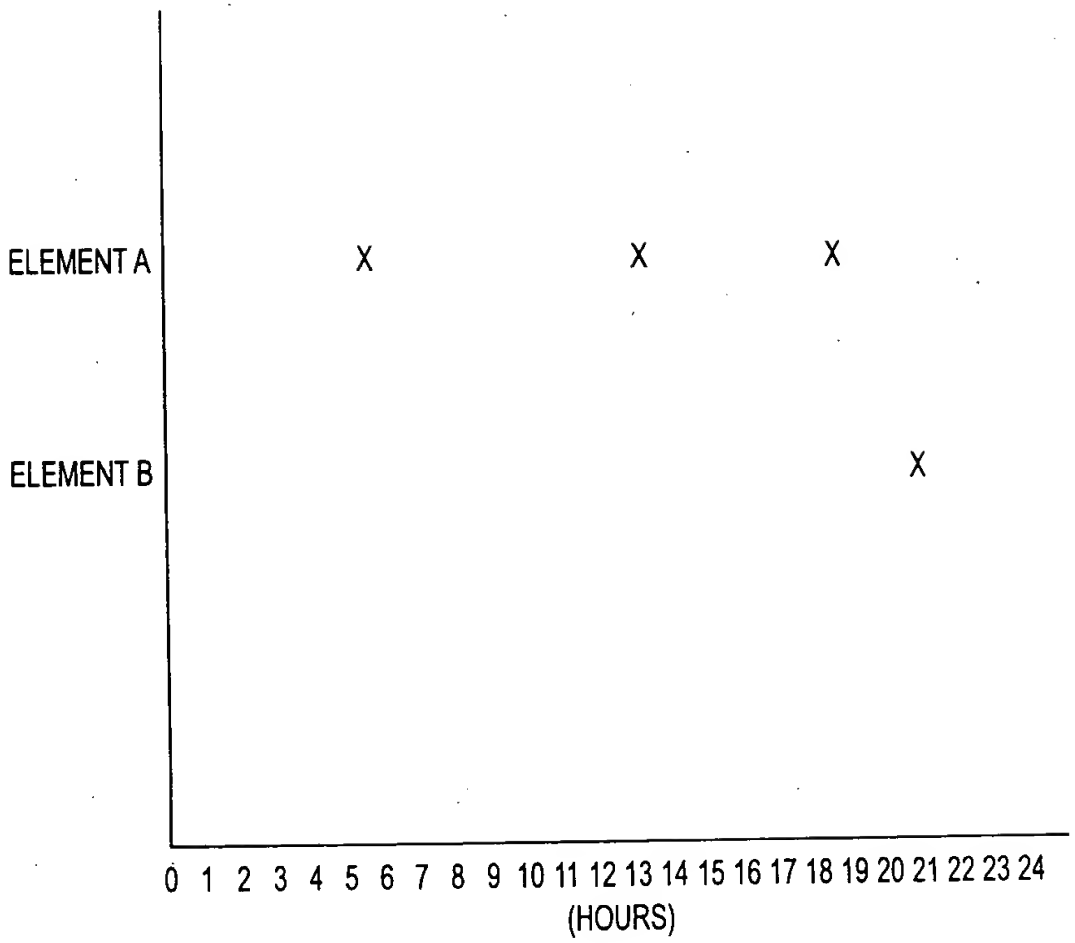

FIG. 29

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Date-Time	Element	Event string	Duration	Severity
01/12/1998 06:34:12	nsmmws16	CPU Utilization over 80%		
Critical				
01/12/1998 08:01:23	nsmmws09	Host down	3:24:43	Critical
01/12/1998 16:54:52	twmmnt02	FTP service down	0:19:42	Critical

FIG. 30

MAY 0 7 2004
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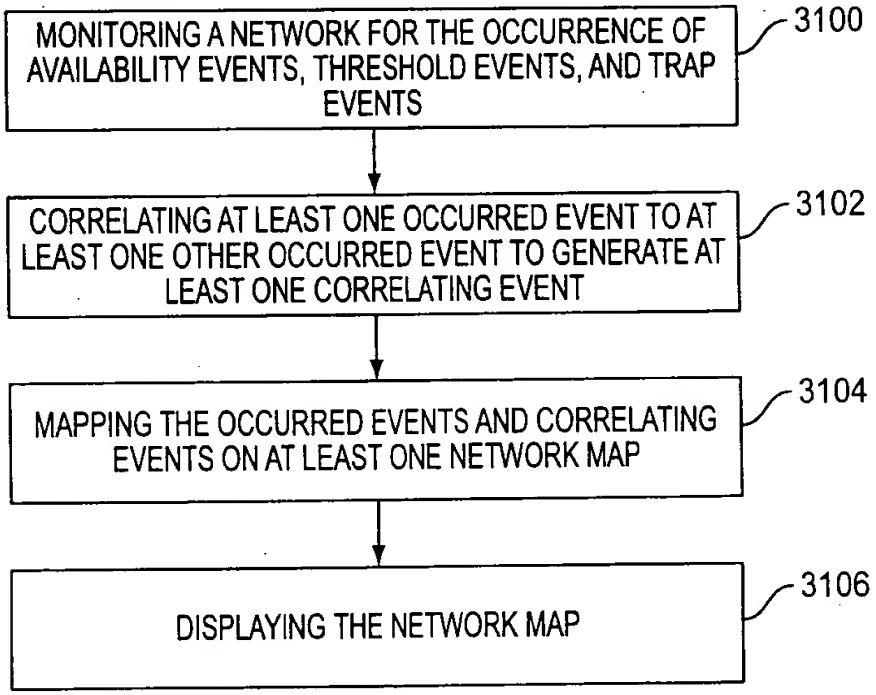

FIG. 31

PATENT & TRADEMARK OFFICE
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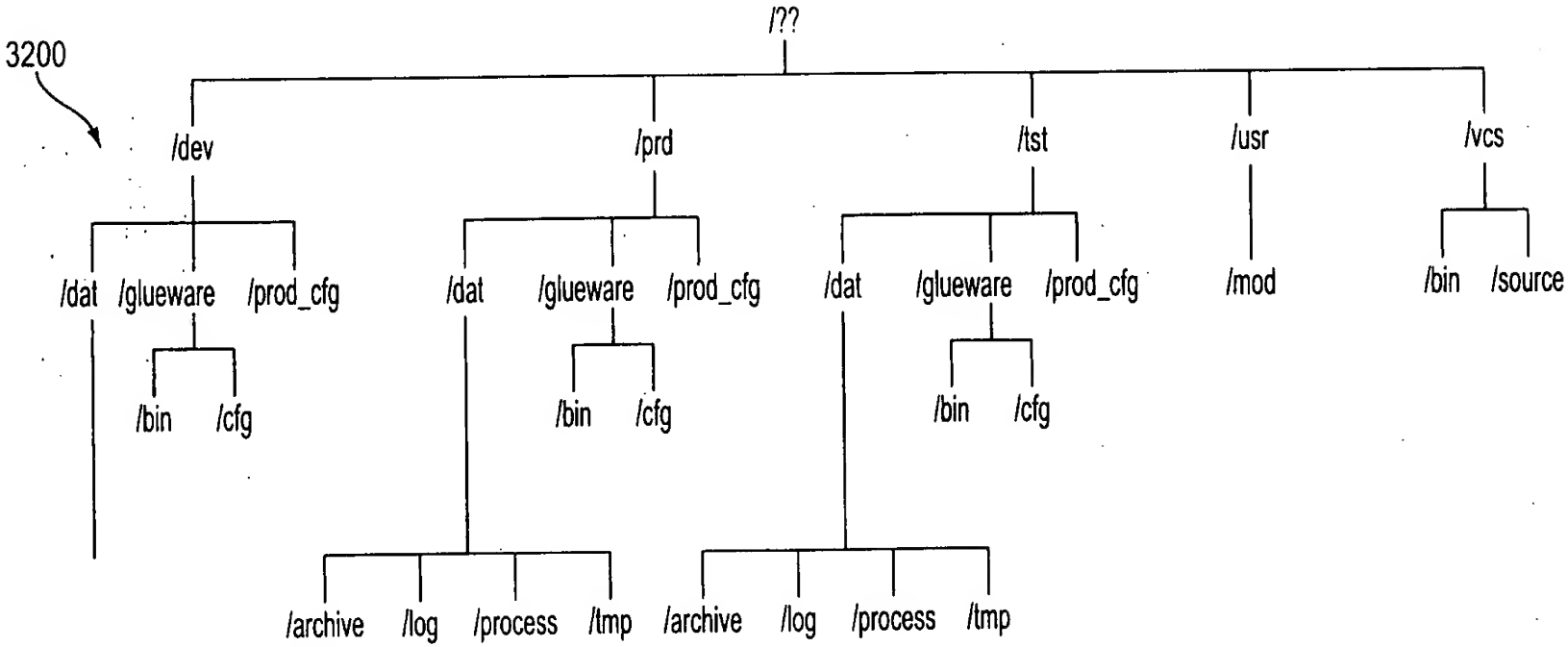

CURRENT SETTINGS/VALID VALUES

Directory structure will be stored on ucmmfs02
The directory /sa will be the mount point to nsmmws09, nsmmws16, and twmmdb02
Files owned by with group of twsa

FIG. 32